

List of All Chemicals

P Glaucium flavum (Papaveraceae)

Common name(s)

Horned Poppy

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
6-IMINOSANGUINARINE	Plant	--	--		*
ALPHA-ALLOCRYPTOPINE	Root	--	--		*

Activities (3)

Antiarrhythmic

Cardioactive

Oxytotic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

AROSINE	Plant	--	--		*
AROSININE	Plant	--	--		*
AUROTENSINE	Plant	--	--		*
CATALINE	Plant	--	--		*
CHELERYTHRINE	Root	--	--		*

Activities (33)

12-Lipoxygenase-Inhibitor

Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livingstone, Edinburgh.

5-Lipoxygenase-Inhibitor

Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livingstone, Edinburgh.

Analgesic

Antiacetylcholinesterase

Antiaggregant

Antibacterial

Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Antiinflammatory

Antiinflammatory 10 mg/kg orl rat (=5 mg indomethacin)

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Antimitotic

Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Antineoplastic

Antiseptic

Antitumor

Lewis and Elvin-Lewis, Medical Botany, ca 1977

Antitussive

Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Antiviral

Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Candidicide

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Cytotoxic

DNA-Intercalator

Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Fungicide 1-5 mg/ml

Gram(+)-icide

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Gram(-)-icide

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Hypertensive 3-5 mg/kg ivn

Hypotensive

Immunostimulant

Irritant

Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Lipase-Inhibitor

Medline (post 1990 searches filed in my computer)

Molluscicide

Nematicide 50-100 ug/ml

Nigg, H.N. and Segler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Occlotensive

Paralytic

Respirainhibitor				
Tetanic				
Topoisomerase-I-Inhibitor	Fang, S. D., Wang, L. K., Hect, S. M. 1993. Inhibitors of DNA Topoisomerase I Isolated From the Roots of Zanthoxylum nitidum. J Org Chem, 58: 5025-5027.			

CHELIDONINE	Plant	--	--	*
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Activities (18)

Analgesic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antianaphylactic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antibacterial	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antibronchitic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antiflu	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
Antiherpetic	
Antispasmodic	
Antitussive	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Antiviral	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
CNS-Inhibitor	
Cytotoxic	Merck 11th Edition
Diuretic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Hypotensive	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Lipase-Inhibitor	Medline (post 1990 searches filed in my computer)
Myodepressant	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
Pesticide	
Reverse-Transcriptase-Inhibitor	Merck 11th Edition
Sedative	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

CHELRUBINE	Root	--	--	*
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Activities (3)

Antibacterial
Molluscicide
Pesticide

CORUNNINE	Plant	--	--	*
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CORYDINE	Plant	--	--	*
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Activities (6)

Antitumor	
CNS-Depressant	
Cardiodepressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Hypnotic	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Respirodepressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Sedative	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.

DEHYDROGLAUCINE	Plant	--	--	*
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Activities (4)

Antibacterial
Candidicide
Fungicide
Pesticide

DIMETHYLGLAUCINE	Plant	--	--	*
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DIOXYMALEIC-ACID	Plant	--	--	*
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FAT	Seed	300000.0	350000.0	0.45	*
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FUMARIC-ACID	Plant	--	--	*
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Activities (7)

Acidulant	Martindale's 28th
Antidermatitic	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

CI00-1% (diet)	2012-2014, 1990.
Antioxidant	Merck 11th Edition
Antipsoriac	Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Antitumor	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
FLavor FEMA 50-3,600	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

GLAUCENTRINE	Plant	--	--	*
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GLAUCINE	Plant	--	--	*
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Activities (10)	
Adrenalytic	
Antinociceptive	
Antispasmodic	
Antisuperoxidogenic IC50=49 nM	
Antitussive	Martindale's 29th
Beta-Adrenergic Receptor Blocker 0.1 uM	de las Heras, B., Rios, J. L., Martinez-Mir, I., Rubio, E. 1990. A Study of the Adrenergic Activity of the Alkaloids Boldine and Glaucine. Pharmazie, 45(6): 443-444.
Hypoglycemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hypotensive	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Pyrogenic 10 mg/kg igs rat	Pinto, L., Borrelli, F., Bombardelli, E., Cristoni, A., Capasso, F. 1998. Anti-Inflammatory, Analgesic and Antipyretic Effects of Glaucine in Rats and Mice. Pharm Pharmacol Commun, 4(10): 502-505.
Respiradepressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

GLAUFLAVINE	Plant	--	--	*
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GLAUVINE	Plant	--	--	*
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ISOBOLDINE	Plant	--	--	*
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Activities (5)	
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Antioesity	
Dopamine-Adenylate-Cyclase-Inhibitor	Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Fungicide	
Pesticide	

ISOCORYDINE	Root	--	--	*
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Activities (5)	
Antiadrenergic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cataleptic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Narcotic	
Sedative	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Stimulant	

MAGNOFLORINE	Root	--	--	*
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Activities (11)	
Antibacterial	
Antineuromuscular ED50=10 mg/kg	
Antispasmodic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Curaroid <1% tubocurarine	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Hypotensive	
PAF-Inhibitor	
Paralytic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Pesticide	
Toxic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Vasodilator	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.

NORCHELIDONINE	Root	--	--	*
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O-METHYL-ATHEROLINE	Plant	--	--	*
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Activities (1)	
Anticarcinomic ED50=5.1	Biosyn. Prod. Cancer Chemotherapy (Petit et al)

PUNTEVEDRINE	Root	--	--	..
PROTOPINE	Root	--	--	*
Activities (24)				
Abortifacient 70 mg/kg				
Aldose-Reductase-Inhibitor 50 uM	Kubo, M., et al. 1994. Studies on Anti-cataract Drugs from Natural Sources. I. Effects of a Methanolic Extract and the Alkaloidal Components from <i>Corydalis Tuber</i> on in vit Aldose Reductase Activity. <i>Biol Pharm Bull</i> , 17(3): 458-459.			
Aldose-Reductase-Inhibitor IC50=38.5 uM rat	Al-Khalil, S. 1996. Inhibition of Lens Alkaloids Reductase by Protopine Alkaloids. <i>Saudi Pharm J</i> , 4(1): 45-47.			
Amphicholeretic	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart.</i> 393 pp.			
Analgesic				
Antiaggregant 100-1,000 uM				
Antiarrhythmic	Bruneton, J. 1999. <i>Pharmacognosy, Phytochemistry, Medicinal Plants. 2nd Ed. Lavoisier Publishing, Paris.</i> 1119 pp.			
Antibacterial				
Anticholinergic	Bruneton, J. 1999. <i>Pharmacognosy, Phytochemistry, Medicinal Plants. 2nd Ed. Lavoisier Publishing, Paris.</i> 1119 pp.			
Antiinflammatory 100 mg/kg				
Antiseptic 1,000 ppm				
Antispasmodic	Bruneton, J. 1999. <i>Pharmacognosy, Phytochemistry, Medicinal Plants. 2nd Ed. Lavoisier Publishing, Paris.</i> 1119 pp.			
Antispermigenic				
Antitussive	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
Calcium-Antagonist				
Convulsant				
Gram(+)/icide				
Hypertensive <1 g/kg				
Hypotensive >1 mg/kg				
Myorelaxant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.</i> 791 pp.			
Pesticide				
Sedative	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.</i> 791 pp.			
Spasmogenic	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. <i>Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.</i>			
Uterotonic				

SANGUINARINE	Seed	--	--	*
Activities (48)				
12-Lipoxygenase-Inhibitor	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy. Churchill Livingstone, Edinburgh.</i>			
5-Lipoxygenase-Inhibitor	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy. Churchill Livingstone, Edinburgh.</i>			
Anesthetic	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
Antiacetylcholinesterase	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart.</i> 393 pp.			
Antibacterial 2 ug/ml				
Anticholinesterase	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL</i> 388 pp.			
Antiedemic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London.</i> 296pp.			
Antingivitic 2 ug/ml				
Antiinflammatory	Merck 11th Edition			
Antimitotic	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart.</i> 393 pp.			
Antineoplastic				
Antioxidant IC50=10 uM				
Antiperiodontic 2 ug/ml				
Antiplaque 2 ug/ml				
Antiseptic	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
Antisuperoxidogenic IC50=16 nM				
Antitrypanosomic	Nigg, H.N. and Seigler, D.S., eds. 1992. <i>Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York.</i> 445 pp.			
Antitumor	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
Antiviral	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
CNS-Depressant				
Calcium-Antagonist IC50=15 uM gpg				
Candidicide	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London.</i> 296pp.			
Cardiotonic				
DNA-Intercalator	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.</i>			
Diuretic	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL</i> 388 pp.			
Emetic				

rat	
Hypertensive	
Hypotensive	
Inotropic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Irritant	Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Lipase-Inhibitor	Medline (post 1990 searches filed in my computer)
Molluscicide	
Myocardiocontractant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Nematicide 50-100 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Occulotensive	
Pesticide	
Respirastimulant	
Sialogogue	
Sympatholytic	
Trichomonicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Vasomotor-Stimulant	

SCOULERINE	Plant	--	--	*
SINACTINE	Plant	--	--	*